

Fuzzy Logic And Neural Network Handbook Computer Engineering Series

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Lecture 33: Neuro-Fuzzy System **Fuzzy Logic and Neural Network - Ms.Bhuvaneshwari Artificial Neural Network and Fuzzy logic || Day 1 || 23rd july 2018 Artificial intelligence | Lecture 3: Intelligent Agent -1**

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basic principles of fuzzy logic. Fuzzy logic is a branch of machine intelligence that helps computers understand the variations that occur in the uncertain and vague world in which we exist. Fuzzy logic “manipulates” vague concepts such as “warm” or “going fast”, in such a manner that it helps design machines like air conditioners and speed control systems to move or switch from one set of control criteria to another.

Basic principles of fuzzy logic and neural networks ...Fuzzy Logic and Neural Network 1. By Mrs. Shimi S.L Assistant Professor, EE NITTTR, Chandigarh Fuzzy Logic using MATLAB 2. The term “fuzzy logic” was introduced with the 1965 proposal of fuzzy set theory by Lotfi A. Zadeh.

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1 Basic concepts of Neural Networks and Fuzzy Logic ...As mentioned earlier, a variety of well-established decision making algorithms exist, and currently much research work is being done on the application of fuzzy logic and neural network theory, with encouraging results. The principle of residual evaluation using fuzzy logic consists of a three-step process, as illustrated in Figure 6.

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Fuzzy Logic Interpretation of Artificial Neural NetworksNeuro-fuzzy hybridization results in a hybrid intelligent system that synergizes these two techniques by combining the human-like reasoning style of fuzzy systems with the learning and connectionist structure of neural networks. Neuro-fuzzy hybridization is widely termed as fuzzy neural network (FNN) or neuro-fuzzy system (NFS) in the literature. Neuro-fuzzy system (the more popular term is used henceforth) incorporates the human-like reasoning style of fuzzy systems through the use of fuzzy ...

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